

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SUPPLEMENTAL SPECIFICATION

Section 170—Silt Retention Barrier

Delete Subsection 170.3 and substitute the following:

170.3 Construction Requirements

170.3.01 Personnel

General Provisions 101 through 150.

170.3.02 Equipment

General Provisions 101 through 150.

170.3.03 Preparation

General Provisions 101 through 150.

170.3.04 Fabrication

General Provisions 101 through 150.

170.3.05 Construction

Install a silt retention barrier as follows: Barriers shall be either staked or floating depending upon current, tides, water depth, and other variables, or as shown in the plans and contract.

A. Floating Silt Retention Barrier

1. Confine dredged materials to ponding areas or settlement basins using standpipes or weirs.
2. Place the barrier approximately 25 ft (7.5 m) outside the affected construction area, and at a depth within 5 ft (1.5 m) of the bottom.
3. If the body of water has a significant current, place the barrier parallel to the water flow. Ensure that the fabric is permeable or impermeable.
4. Vary the dimensions and methods to suit the conditions and to meet the requirements of other local and State water control agencies to ensure that silt dispersion is effectively controlled.
5. Provide a fabric that is weighted to prevent the bottom of the barrier from floating.

B. Staked Silt Retention Barrier

1. Where a staked barrier is used to protect a stream or inundated area, ensure the fabric:
 - a. Extends to the bottom of the stream or inundated area and is weighted to prevent it from floating
 - b. Is permeable or impermeable and not trenched in at the bottom

- c. Extends 1 foot (300 mm) above normal water elevation
- 2. Posts:
 - a. Options: 2 inch (50 mm) x 4 inch (100 mm) wood; or 2 ½ inch (62.5 mm) min. diameter wood; or steel at a minimum of 1.33 pounds per foot (1.980 kg/m)
 - b. Space posts at a minimum spacing of 4 feet (1.2 m)
 - c. Ensure posts are a minimum of 5 feet (1.5 m) in length
 - d. Extend post a minimum of 18 inches (450 mm) into the soil

170.3.06 Quality Acceptance

General Provisions 101 through 150.

170.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.